

CONFIDENTIAL

50X1-HUM

<u>Unit Driven</u>	<u>Motor Type</u>	<u>No of Type</u>	<u>Capacity (kw)</u>	<u>RPM</u>
Winches for raising rear and forward arms	MA-144-1/8	2	11.0	730
C.b turntable and loader arm turntable	ADOF-52/8	2	2.6	725
Power-cable drum	ADOF-52/8	1	2.6	725
Both conveyer belts	ADF-42/4	2	5.8	1,445

Simplified top and profile diagrams of the machine have been permanently delineated on the control panel (made at the Leningrad Elektropul's Plant), with the control push buttons located at points on the diagram corresponding to actual units on the machine itself. Thus, the operator may tell at a glance while buttons control the various functions of the machine.

The transmissions for the rotary digger, caterpillar treads, hoisting winches, conveyer belts, cab turntable, loading-arm turntable, and other units are standardized. As a result of this, the variety of parts has been cut 30 percent in comparison with the first variant of this machine, the RPM-1

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MODIFIED EXCAVATOR MAKES TRANSPORT EASIER

On the initiative of the Ministry of the Coal Industry, some SE-3 excavators produced at the Sverdlovsk Uralmash Plant were equipped with lengthened rigs. These rigs were made at the Ministry's Karpinsk and Korkino plants on designs submitted by the chief designer of the Giproglemash (State Institute for Planning Coal Machinery). The 17-meter-long boom is of all-welded construction; the dipper stick, 10.5 meters long, is of timber reinforced by steel strips. Either a 2- or 3- cubic meter bucket is issued.

The first ten of these machines were put into operation in open-pit mining operations at the end of 1949. Their lengthened rig enables them to load overburden from the pit into cars situated on the benching, whereas the standard model was able only to load cars on the same level as the excavator itself. Running the cars along the benching instead of the pit saves expenditure of labor and materials in laying out, moving, and maintenance of the track. The modified excavators may also be used in digging irrigation ditches.

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